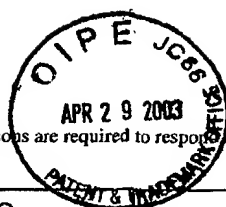


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				Applicati n Numb r	09/935,998	RECEIVED
				Filing Date	August 23, 2001	
				First Named Inventor	Malcolm J. Simons	MAY 01 2003
				Group Art Unit	1655-1634	
				Examiner Name	Not yet assigned	TECH CENTER 1660/2900
Attorney Docket Number	005493.P001					
Sheet	1	of	3			

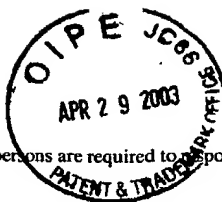
US Patent Documents						
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BJA	09/20/1988	4,772,549	Frossard			
BJA	12/24/1991	5,075,217	Weber			
Foreign Patent Documents						
Examiner's Initials	Date	Document Number	Country	Class	Sub-Class	Translation
BJA	12/12/1989	36908/89	Australia			
BJA	05/31/1990	45565/89	Australia			
BJA	08/20/1990	EPA 0414469				

Other Prior Art - Non Patent Literature Documents			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BJA		AKERMAN, et al., "Identification of Deletion and Triple α -Globin Gene Haplotypes in the Montreal β -Thalassemia Screening Program: Implications for Genetic Medicine," <i>Am. J. Med. Genet.</i> , 36:76-84 (1990).	
BJA		GÖTZE, et al., "The Major Histocompatibility Complex", <i>Fundamentals of Immunology</i> , Springer Verlag, 1981 (ed. Bier, da Silva, Götze, Mota)	
BJA		BOERWINKLE, et al., "Rapid Typing of Tandemly Repeated Hypervariable Loci by the Polymerase Chain Reaction: Application to the Apolipoprotein B 3' Hypervariable Region," <i>Proc. Natl. Acad. Sci. USA.</i> , Vol. 86, pp. 212-216. January 1989.	
Examiner Signature	M. J. Simons		Date Considered 08/19/2003

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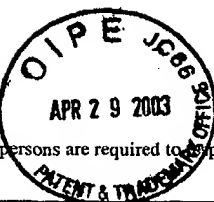
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				Filing Date	August 23, 2001	MAY 01 2003
				First Named Inventor	Malcolm J. Simons	
				Group Art Unit	1655-1634	TECH CENTER 1600/2900
				Examiner Name	Not yet assigned	
				Attorney Docket Number	005493.P001	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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B.J.H.	*	FRIES, et al., "The Bovine Genome Contains Polymorphic Microsatellites," <i>Genomics</i> , October 1990; 8(2):403-6.	
	*	HONIG, et al., "Human Hemoglobin Genetics," 1986, Springer-Verlag, pp. 227-249.	
	*	IWAHANA, et al., "A New RFLP in Intron 1 of the Human c-Ha-ras1 Gene and Its Close Relationship with the Variable Tandem Repeats in the Region 3' to the Gene," <i>Oncogene</i> , 5:1049-53, 1990.	
	*	LIEBHABER, et al., "Compensatory Increase in α 1-Globin Gene Expression in Individuals Heterozygous for the α -Thalassemia-2 Deletion," <i>J. Clin. Invest.</i> , Sept. 1985 76(3): 1057-1064	
	*	MYEROWITZ, "Splice Junction Mutation in Some Ashkenazi Jews with Tay-Sachs Disease: Evidence Against a Single Defect Within this Ethnic Group," <i>Proc. Natl. Acad. Sci. USA</i> , June 1988 85(11): 3955-59.	
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	*	SKOLNICK, et al, "Simultaneous Analysis of Multiple Polymorphic Loci Using Amplified Sequence Polymorphisms (ASPs) ¹ ," <i>Genomics</i> , 2, 273-279 (1988).	
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B.J.H.	-	Certified Translation of Inoko (1989), "DNA Typing of HLA Antigen," <i>Nihon Rinsho</i> , 47, 550-576.	

Examiner Signature	B.J.H. Lison	Date Considered	08/19/2003
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				Filing Date	August 23, 2001	
				First Named Inventor	Malcolm J. Simons	
				Group Art Unit	1655 1634	
				Examiner Name	Not yet assigned	
				Attorney Docket Number	005493.P001	
Sheet	3	of	3			

Other Prior Art - Non Patent Literature Documents

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
B.L.		ABRAHAM, et al., "Sequence Differences Between HLA-B and TNF Distinguish Different MHC Ancestral Haplotypes," <i>Antigens</i> , 39(3): 117-121 (March 1992).	
		BROOKS, et al., "Association of the Widespread A149P Hereditary Fructose Intolerance Mutation with Newly Identified Sequence Polymorphisms in the Aldolase B Gene," <i>Am. J. of Hum. Genet.</i> , 52: 835-840 (1993).	
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		<i>Molecular Biology of the Cell</i> , Second Edition, New York, 1989, Chapter 9: "RNA Synthesis and RNA Processing," pp. 531-535 and Chapter 10: "Control of Gene Expression," pp. 602-604.	
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B.L.		SIMONS, et al., "Restriction Fragment Length Polymorphism of HLA Genes: Summary of the Tenth International Workshop Southern Blot Analysis," <i>Immunology of HLA</i> , 1:959-1023 (1989).	

Examiner Signature	B.L. Luvion	Date Considered	08/19/03
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				Application Number	09/935,998
				Filing Date	August 23, 2001
				First Named Inventor	Malcolm J. Simons
				Group Art Unit	4655 1634
				Examiner Name	Not yet assigned
				Attorney Docket Number	005493.P001
Sheet	1	of	4		

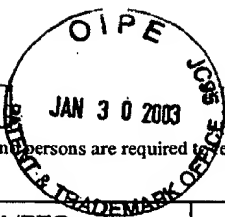
US Patent Documents						
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BZL	04/15/86	4,582,788	Erlich			
	07/28/87	4,683,194	Saiki, et al.			
	07/28/87	4,683,195	Mullis, et al.			
BZL	07/28/87	4,683,202	Mullis			
Foreign Patent Documents						
Examiner's Initials	Date	Document Number	Country	Class	Sub-Class	Translation
BZL	10/27/87	EPA 87309482.5	EP			
	06/09/87	EPA 87305100.7	EP			
	10/11/89	EPA 89310424.0	EP			
	02/24/88	EPA 0256630	EP			
	01/06/88	EPA 0269260				
	04/18/90	EPA 0364255				
	06/21/89	US89/02731	PCT			
	05/18/89	US89/02169	PCT			
	11/14/88	US88/04067	PCT			
	11/30/89	WO 89/11547				
	12/28/89	WO 89/12697				
BZL	06/01/89	WO 89/04875				

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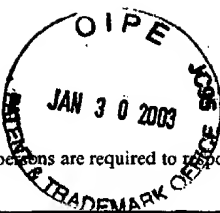
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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B J I		DILELLA et al., "Tight linkage between a splicing mutation and a specific DNA haplotype in phenylketonuria," <i>Nature</i> , 322, 799-803 (1986).	
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B J I		DICKER et al., "Sequence Anaylsis of a Human Gene Responsible for Drug Resistance: A Rapid Method for Manual and Automated Direct Sequencing of Products Generated by the Polymerase Chain Reaction," <i>BioTechniques</i> , 7:830-837 (1989).	

Examiner Signature	B. J. Simon	Date Considered	08/19/2003
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				Application Number	09/935,998
				Filing Date	August 23, 2001
				First Named Inventor	Malcolm J. Simons
				Group Art Unit	1855 / 634
				Examiner Name	Not yet assigned
				Attorney Docket Number	005493.P001
Sheet	3	of	4		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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B28		DILELLA et al., <i>The Lancet</i> , I:497-499 (1988).	
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B&J		• BOEHNKE et al., "Fine-Structure Genetic Mapping of Human Chromosomes Using the Polymerase Chain Reaction on Single Sperm: Experimental Design Considerations," <i>Am. J. Hum. Genet.</i> 45:21-32, 1989.	
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		• ERLICH et al. "HLA Typing Using DNA Probes," <i>Bio/Technology</i> , 4:975-981 (1986).	
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B&J		• RIEß et al., "Hypervariability of intronic simple (gt)n(ga)m repeats in <i>HLA-DRB</i> genes," <i>Immunogenetics</i> , 32: 110-116 (1990).	
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